



Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/614,342
				Filing Date	July 8, 2003
				First Named Inventor	Shinichi NAGAHAMA
				Art Unit	2815
				Examiner Name	A. R. Wilson
Sheet	1	of	1	Attorney Docket Number	204552029200

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
NOV	1.	5,376,580	12-27-1994	Kish et al.	
NOV	2.	5,502,316	3-26-1996	Kish et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
NOV	3.	JP-6-302857	10-28-1994		counterpart to U.S. Patent Nos. 5,376,580 and 5,502,316	✓
NOV	4.	JP-10-270761	10-9-1998			✓
NOV	5.	JP-11-068157	3-9-1999			✓
NOV	6.	JP-2001-203385	7-27-2001			✓

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
NOV	7.	WONG, W. S. et al. (2000) "In _x Ga _{1-x} N Light Emitting Diodes on Si Substrates Fabricated by Pd-In Metal Bonding and Laser Lift-Off," Applied Physics Letters 77(18), pp. 2822-2824	
NOV	8.	KNEISSL, Michael et al. (2001) "Continuous-Wave Operation of InGaN Multiple-Quantum-Well Laser Diodes on Copper Substrates Obtained by Laser Liftoff," IEEE Journal on Selected Topics in Quantum Electronics 7(2), pp. 188-191	
NOV	9.	Japanese Office Action mailed February 21, 2006, directed to counterpart JP Application No. 2003-190549	✓

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>AR Wilson</i>	Date Considered	7/31/06
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ALTERNATIVE TO PTO/SB/08a/b (07-05)

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		Number-Kind Code ² (if known)			
WDR	1.	6,409,938	06-2002	COMANZO	—

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WDR	2.	JP-10-163525-A	06-19-1998	SANYO ELECTRIC CO. LTD.	—	✓

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WDR	3.	Han, J. et al. (1998). "AlGaIn/GaN Quantum Well Ultraviolet Light Emitting Diodes," <i>Applied Physics Letters</i> 73(12):1688-1690.	
WDR	4.	Iwaya, M. et al. (2002). "Suppression of Phase Separation of AlGaIn During Lateral Growth and Fabrication of High-efficiency UV-LED on Optimized AlGaIn," <i>Journal of Crystal Growth</i> 237-239:951-955.	
WDR	5.	Shatalov, M. et al. (2002). "Deep Ultraviolet Light-Emitting Diodes Using Quaternary AlInGaIn Multiple Quantum Wells," <i>IEEE Journal on Selected Topics in Quantum Electronics</i> 8(2):302-309.	

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